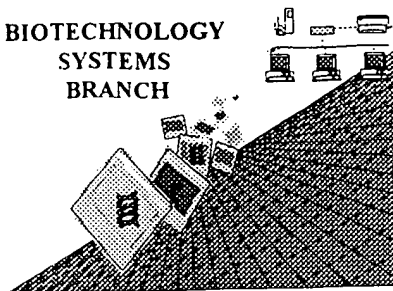


## **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



0420

02-16-01

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/766,535

Source:

OTPE

Date Processed by STIC:

2-7-2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

OIPE

## RAW SEQUENCE LISTING

DATE: 02/07/2001

PATENT APPLICATION: US/09/766,535

TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\02072001\I766535.raw

4 <110> APPLICANT: Junming Le  
 5 Jan Vilcek  
 6 Peter Daddona  
 7 John Ghrayeb  
 8 David M. Knight  
 9 Scott Siegel  
 11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of  
 12 Human Tumor Necrosis Factor  
 15 <130> FILE REFERENCE: 0975.1005-010  
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/766,535  
 C--> 17 <141> CURRENT FILING DATE: 2001-01-18  
 17 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119  
 18 <151> PRIOR FILING DATE: 1998-08-12  
 20 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674  
 21 <151> PRIOR FILING DATE: 1995-12-11  
 23 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799  
 24 <151> PRIOR FILING DATE: 1994-10-18  
 26 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102  
 27 <151> PRIOR FILING DATE: 1994-02-04  
 29 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861  
 30 <151> PRIOR FILING DATE: 1994-02-04  
 32 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093  
 33 <151> PRIOR FILING DATE: 1994-02-04  
 35 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406  
 36 <151> PRIOR FILING DATE: 1993-01-29  
 38 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413  
 39 <151> PRIOR FILING DATE: 1993-02-02  
 41 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852  
 42 <151> PRIOR FILING DATE: 1992-09-11  
 44 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606  
 45 <151> PRIOR FILING DATE: 1992-03-18  
 47 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827  
 48 <151> PRIOR FILING DATE: 1991-03-18  
 50 <160> NUMBER OF SEQ ID NOS: 19  
 52 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 54 <210> SEQ ID NO: 1  
 55 <211> LENGTH: 157  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: Peptide  
 59 <400> SEQUENCE: 1  
 60 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val  
 61 1 5 10 15  
 62 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg  
 63 20 25 30  
 64 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu  
 65 35 40 45  
 66 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe

must be 1 of the following:  
 1) scientific name "Genus Species"  
 2) Artificial Sequence  
 3) Unknown

See item 12 on  
 ERROR summary sheet

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/766,535

DATE: 02/07/2001

TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\02072001\I766535.raw

67      50                      55                      60  
68 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Thr His Thr Ile  
69 65                      70                      75                      80  
70 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala  
71                      85                      90                      95  
72 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys  
73                      100                      105                      110  
74 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys  
75                      115                      120                      125  
76 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe  
77                      130                      135                      140  
78 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu  
79 145                      150                      155  
82 <210> SEQ ID NO: 2  
83 <211> LENGTH: 321  
84 <212> TYPE: DNA  
85 <213> ORGANISM: cdna *see page 1 start range at 1*  
87 <220> FEATURE:  
88 <221> NAME/KEY: CDS  
W--> 89 <222> LOCATION: (0)..(321)  
91 <400> SEQUENCE: 2  
92 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga 48  
93 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly  
94 1                      5                      10                      15  
96 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96  
97 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser  
98                      20                      25                      30  
100 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144  
101 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile  
102                      35                      40                      45  
104 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192  
105 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly  
106                      50                      55                      60  
108 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240  
109 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser  
110 65                      70                      75                      80  
112 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288  
113 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe  
114                      85                      90                      95  
116 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa 321  
117 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys  
118                      100                      105  
121 <210> SEQ ID NO: 3  
122 <211> LENGTH: 107  
123 <212> TYPE: PRT  
124 <213> ORGANISM: Protein  
126 <400> SEQUENCE: 3  
127 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly  
128 1                      5                      10                      15

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/766,535

DATE: 02/07/2001

TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\02072001\I766535.raw

```

129 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
130      20      25      30
131 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
132      35      40      45
133 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
134      50      55      60
135 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
136 65      70      75      80
137 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
138      85      90      95
139 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
140      100      105

```

143 &lt;210&gt; SEQ ID NO: 4

144 &lt;211&gt; LENGTH: 357

145 &lt;212&gt; TYPE: DNA

146 <213> ORGANISM: cDNA

148 &lt;220&gt; FEATURE:

149 &lt;221&gt; NAME/KEY: CDS

W--> 150 <222> LOCATION: (9)..~~1~~..(357)

152 &lt;400&gt; SEQUENCE: 4

```

153 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
154 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
155 1      5      10      15
157 tcc atg aaa ctg tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
158 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
159      20      25      30
161 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
162 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
163      35      40      45
165 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
166 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
167      50      55      60
169 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
170 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
171 65      70      75      80
173 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
174 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
175      85      90      95
177 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
178 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
179      100      105      110
181 ggc acc act ctg aca gtc tcc 357
182 Gly Thr Thr Leu Thr Val Ser
183      115

```

186 &lt;210&gt; SEQ ID NO: 5

187 &lt;211&gt; LENGTH: 119

188 &lt;212&gt; TYPE: PRT

189 &lt;213&gt; ORGANISM: Protein

191 &lt;400&gt; SEQUENCE: 5

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/766,535

DATE: 02/07/2001

TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\02072001\I766535.raw

```

192 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
193 1 5 10 15
194 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
195 20 25 30
196 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
197 35 40 45
198 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
199 50 55 60
200 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Ser Lys Ser Ala
201 65 70 75 80
202 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
203 85 90 95
204 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
205 100 105 110
206 Gly Thr Thr Leu Thr Val Ser
207 115

```

210 &lt;210&gt; SEQ ID NO: 6

211 &lt;211&gt; LENGTH: 8

212 &lt;212&gt; TYPE: PRT

213 &lt;213&gt; ORGANISM: Protein

215 &lt;400&gt; SEQUENCE: 6

216 Gly Thr Leu Val Thr Val Ser Ser

217 1 5

220 &lt;210&gt; SEQ ID NO: 7

221 &lt;211&gt; LENGTH: 7

222 &lt;212&gt; TYPE: PRT

223 &lt;213&gt; ORGANISM: Protein

225 &lt;400&gt; SEQUENCE: 7

226 Gly Thr Lys Leu Glu Ile Lys

227 1 5

230 &lt;210&gt; SEQ ID NO: 8

231 &lt;211&gt; LENGTH: 20

232 &lt;212&gt; TYPE: DNA

233 &lt;213&gt; ORGANISM: cDNA

235 &lt;400&gt; SEQUENCE: 8

236 cctggatacc tgtgaaaaga

238 &lt;210&gt; SEQ ID NO: 9

239 &lt;211&gt; LENGTH: 27

240 &lt;212&gt; TYPE: DNA

241 &lt;213&gt; ORGANISM: cDNA

243 &lt;400&gt; SEQUENCE: 9

244 cctggtacct tagtcaccgt ctctca

246 &lt;210&gt; SEQ ID NO: 10

247 &lt;211&gt; LENGTH: 27

248 &lt;212&gt; TYPE: DNA

249 &lt;213&gt; ORGANISM: cDNA

251 &lt;400&gt; SEQUENCE: 10

252 aatagatatc tccttcaaca cctgcaa

254 &lt;210&gt; SEQ ID NO: 11

*See page 1*

20

27

27

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/766,535

DATE: 02/07/2001

TIME: 16:04:32

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\02072001\I766535.raw

255 <211> LENGTH: 21  
 256 <212> TYPE: DNA  
 257 <213> ORGANISM: cDNA  
 259 <400> SEQUENCE: 11  
 260 atcgggacaa agttggaaat a 21  
 262 <210> SEQ ID NO: 12  
 263 <211> LENGTH: 16  
 264 <212> TYPE: DNA  
 265 <213> ORGANISM: cDNA  
 267 <400> SEQUENCE: 12  
 268 ggcgggtctgg taccgg 16  
 270 <210> SEQ ID NO: 13  
 271 <211> LENGTH: 19  
 272 <212> TYPE: DNA  
 273 <213> ORGANISM: cDNA  
 275 <400> SEQUENCE: 13  
 276 gtcaacaaca tagtcatca 19  
 278 <210> SEQ ID NO: 14  
 279 <211> LENGTH: 23  
 280 <212> TYPE: DNA  
 281 <213> ORGANISM: cDNA  
 283 <400> SEQUENCE: 14  
 284 cacaggtgtg tccccaaagga aaa 23  
 286 <210> SEQ ID NO: 15  
 287 <211> LENGTH: 18  
 288 <212> TYPE: DNA  
 289 <213> ORGANISM: cDNA  
 291 <400> SEQUENCE: 15  
 292 aatctgggggt aggcacaa 18  
 294 <210> SEQ ID NO: 16  
 295 <211> LENGTH: 17  
 296 <212> TYPE: DNA  
 297 <213> ORGANISM: cDNA  
 299 <400> SEQUENCE: 16  
 300 agtggtgtgtc cccaagg 17  
 302 <210> SEQ ID NO: 17  
 303 <211> LENGTH: 24  
 304 <212> TYPE: DNA  
 305 <213> ORGANISM: cDNA  
 307 <400> SEQUENCE: 17  
 308 cacagctgcc cgcccagggtg gcat 24  
 310 <210> SEQ ID NO: 18  
 311 <211> LENGTH: 17  
 312 <212> TYPE: DNA  
 313 <213> ORGANISM: cDNA  
 315 <400> SEQUENCE: 18  
 316 gtcgccagtg ctccctt 17  
 318 <210> SEQ ID NO: 19  
 319 <211> LENGTH: 20

*see page 1*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/766,535

DATE: 02/07/2001

TIME: 16:04:33

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\02072001\I766535.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:89 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:2, CDS LOCATION: (0)...(321)

L:150 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:4, CDS LOCATION: (0)...(357)

# Raw Sequence Listing Error Summary

## ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/766,535

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1        Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2        Wrapped Aminos      The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3        Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4        Misaligned Amino Acid      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs  
Numbering      between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5        Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6        Variable Length      Sequence(s)        contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and  
indicate in the (ix) feature section that some may be missing.
- 7        PatentIn ver. 2.0 "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
sequence(s)       . Normally, PatentIn would automatically generate this section from the  
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section  
to the subsequent amino acid sequence.
- 8        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence:  
(OLD RULES)      (2) INFORMATION FOR SEQ ID NO:X:  
                                 (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
                                 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
                                 This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence.  
(NEW RULES)      <210> sequence id number  
                                 <400> sequence id number  
                                 000
- 10        Use of n's or Xaa's      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
                                 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11        Use of <213>Organism      Sequence(s)        are missing this mandatory field or its response.  
(NEW RULES)
- 12 ✓        Use of <220>Feature      Sequence(s) AI are missing the <220>Feature and associated headings.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
                                 Please explain source of genetic material in <220> to <223> section.  
                                 (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)      (Sec. 1.823 of new Rules)
- 13        PatentIn ver. 2.0 "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted  
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.  
                                 AKS-Biotechnology Systems Branch- 5/15/99